

## MULTI-ELEMENT FIELD EMISSION CATHODE

### CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a division of U.S. patent application serial number 09/873,660, entitled "Cathode Ray Tube Having Multiple Field Emission Cathodes" by Byron G. Zollars, John J. Lorr, and Kent R. Kalar, which was filed on June 4, 2001, <sup>now U.S. Pat. No. 6,624,578</sup> and which is incorporated herein by reference in its entirety for all purposes. This application is also related to U.S. patent application serial number <sup>10/628,858</sup> ~~\*\*\*,\*\*\*~~ [attorney docket number 065095.0189], entitled "Method for Forming an Image on a Screen of a Cathode Ray Tube," by Byron G. Zollars and John J. Lorr, and to U.S. patent application serial number <sup>6,833,679</sup> ~~\*\*\*,\*\*\*~~ [attorney docket number 065095.0190], entitled "Method and System for Controlling Electron Beams from Field Emission Cathodes" by Byron G. Zollars, both of which are being filed contemporaneously with the present application on July 28, 2003, and which are incorporated herein by reference in their entirety for all purposes.

### BACKGROUND OF THE INVENTION TECHNOLOGY

#### Field of the Invention

[0002] This invention relates to cathode ray tubes. More particularly, the invention relates to an array of independently modulated electron beams emanating from field emission cathodes in a cathode ray tube.